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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/671,108	09/25/2003	Jason E. Gayer	20317	1155
28133	7590	04/05/2006	EXAMINER	
RICHARD L. MARSH 4116 E. LATOKA SPRINGFIELD, MO 65809			STRIMBU, GREGORY J	
			ART UNIT	PAPER NUMBER
			3634	

DATE MAILED: 04/05/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/671,108	GAYER, JASON E.	
	Examiner	Art Unit	
	Gregory J. Strimbu	3634	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 18 January 2006 and 21 October 2005.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) _____ is/are rejected.
- 7) Claim(s) 1-18 is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 25 September 2003 is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
 Paper No(s)/Mail Date 9/25/03.
 - 4) Interview Summary (PTO-413)
 Paper No(s)/Mail Date. _____.
 - 5) Notice of Informal Patent Application (PTO-152)
 - 6) Other: _____.

This application is in condition for allowance except for the following formal matters:

Election/Restrictions

In light of the cancellation of claims 19 and 20, the restriction requirement has been rendered moot.

Drawings

The drawings are objected to because the lead line for reference character 12 fails to properly indicate the upper hinge bracket in figure 1 and the lead line for reference character 102 fails to properly indicate the stop in figure 2. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If

the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

The drawings are objected to as failing to comply with 37 CFR 1.84(p)(4) because reference character "116" has been used to designate both a post on the spring housing and a post on the lower hinge bracket. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they do not include the following reference sign(s) mentioned in the description: 76 on line 24 of page 14. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37

CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Specification

Applicant is reminded of the proper language and format for an abstract of the disclosure.

The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 150 words. It is important that the abstract not exceed 150 words in length since the space provided for the abstract on the computer tape used by the printer is limited. The form and legal phraseology often used in patent claims, such as "means" and "said," should be avoided. The abstract should describe the disclosure sufficiently to assist readers in deciding whether there is a need for consulting the full patent text for details.

The language should be clear and concise and should not repeat information given in the title. It should avoid using phrases which can be implied, such as, "The disclosure concerns," "The disclosure defined by this invention," "The disclosure describes," etc.

The abstract of the disclosure is objected to because the legal phraseology "said" on line 3 should be avoided. On line 5, "the hinge pairs" is confusing since it is unclear whether or not the applicant is referring to the at least one hinge pair set forth above. On line 6, "each bushing set" is confusing since the applicant has not set forth what comprises a bushing set above. On line 7, "the threaded bushing" is confusing since it is unclear to which one of the plurality of threaded bushings set forth above the applicant is referring. On line 9, "a lift assist assembly" is confusing since it is unclear if the applicant is referring to the adjustable biasing assembly or is attempting to set forth

another element of the invention in addition to the adjustable assembly. Correction is required. See MPEP § 608.01(b).

The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed. It is suggested that the applicant amend the title to remove the reference to the method.

Claim Objections

Claims 1-18 are objected to because recitations such as “the manway cover” on line 4 of claim 1 is confusing since the applicant has not clearly set forth a manway cover above. Recitations such as “therethrough” on line 9 of claim 1 are confusing since it appears that the bushings do not extend through the entirety of the lower hinge bracket. Recitations such as “opposite directions” on line 9 of claim 1 are confusing since it is unclear from what reference point the directions are determined. Recitations such as “a boss on one end thereof protruding beyond an exterior face” on line 12 of claim 1 are confusing since it is unclear if the entire boss or the end of the boss protrudes beyond the exterior face of the lower hinge bracket. Recitations such as “said lower hinge bracket” on line 12 of claim 1 are confusing since it is unclear to which of the plurality of lower hinge brackets set forth above the applicant is referring. Appropriate correction is required.

Allowable Subject Matter

As allowable subject matter has been indicated, applicant's reply must either comply with all formal requirements or specifically traverse each requirement not complied with. See 37 CFR 1.111(b) and MPEP § 707.07(a).

The following is an examiner's statement of reasons for allowance: the prior art of record, absent applicant's own disclosure, fails to teach the entire combination of elements set forth in the claimed invention. Specifically, the prior art of record fails to teach a manway lift device comprising a right aligned pair of hinge brackets receiving a smooth bore bushing and an internally threaded bushing therethrough from opposite directions thus comprising a bushing set, one of said bushings having a boss on one end thereof protruding beyond an exterior face of a lower hinge bracket, said bushing having dogs disposed on the opposite end thereof, said dogs engaged in dog holes disposed through said upper hinge bracket, said smooth bore bushing of said bushing set receiving a bolt through the internal bore thereof, said internally threaded bushing of said bushing set threadedly receiving the threaded end of said bolt in said internally threaded bore thereof said bolt thus rigidly fixing said bushing set to a upper hinge bracket and thereby rotatably fixing said manway cover to said manway collar, at least one boss having said adjustable biasing assembly associated therewith. See claim 1, lines 8-18.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Hayakawa, Oshima et al., Straup et al., Waldo et al., Lyons, Whitmore, Niles, Devlin, and Barson are cited for disclosing a spring biased hinge.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gregory J. Stribbu whose telephone number is 571-272-6836. The examiner can normally be reached on Monday through Friday 8:00 to 4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Chilcot can be reached on 571-272-6777. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Gregory J. Strimbu
Primary Examiner
Art Unit 3634
March 31, 2006